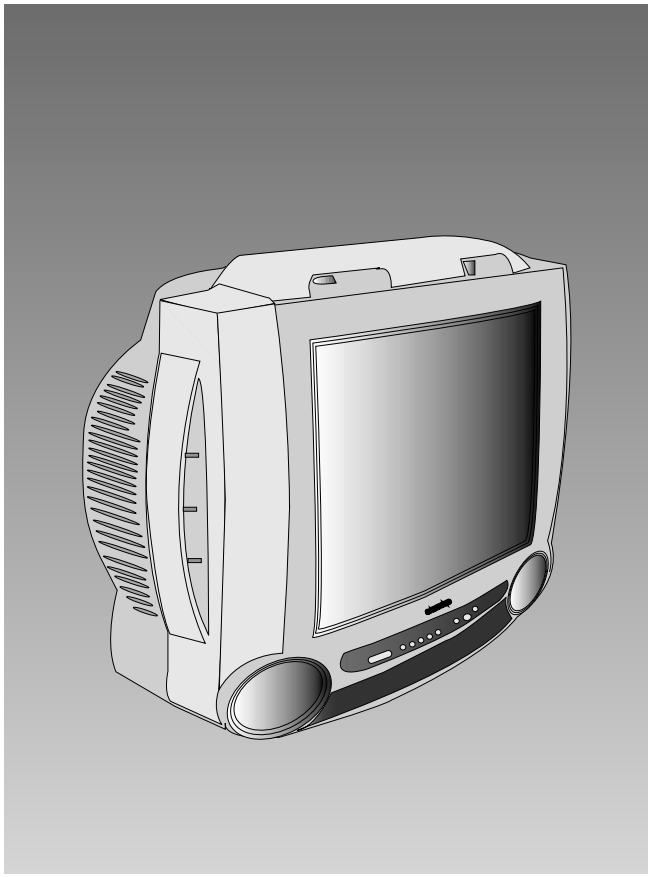
SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : K15A (H)
Model: CT2088BL6X/XAP
CT1488BL6X/XAP

SERVICE Manual

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

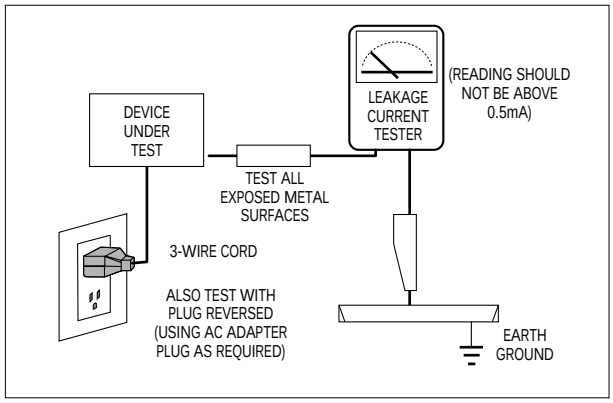

DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
3-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
    Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
    Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
    The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
    Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚡) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning 1 : First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning 2 : An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

9. When some parts inside the optical engine (except lamp) are damaged, replace the whole optical engine.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Specifications

2-1 Specifications

Television System	14" / 20" / 21" NTSC COLOR TV SIGNAL
Picture Tube	A34KQV42X / A48KRD82X (H) / A51KQJ63X
Power Requirement	AC 120V, 60Hz /AC 100 ~ 240, 50Hz, 60Hz
Operating System	REMOCON SYSTEM (SZM370TH)
Tuning Ranges	VHF CH : 2-13, UHF CH : 14-69, CABLE CH : 1,14-125
Antenna Input Impedance	75 ohm UNBALANCED TYPE FOR VHF/UHF
Intermediate Frequency	PICTURE 45.75MHz, SOUND 41.25MHz, COLOR SUB CARRIER 42.17MHz
Speaker Impedance	Dual : 8 ohm 6W x 2

MEMO

3. Alignment and Adjustments

3-1 Service Mode Adjustments

3-1-1 Service Mode Menus

Since there are no VRs in the K15A chassis, all adjustments after parts replacement must be done in the Service Mode. Service Mode adjustments are necessary when either the EEPROM (IC902) or the CRT is replaced.

3-1-2 Entering the Service Mode

Press the following transmitter keys while in STAND-BY mode:

MUTE—>1—>8—>2—>POWER
"Factory Mode Menu" is displayed

ADJUSTMENT	<---selected (violet)
PATTERN	
OPTION	
RESET	

Enter Service Mode using the Volume +,- keys. Service Mode Menu:

AGC	XX	RC	XXX
VCO	XX	GC	XXX
SBT	XX	BC	XX
SCT	XX	VA	XX
SCR	XX	VS	XX
STT	XXX	HS	XX
GG	XXX	SS	XX
BG	XXX	SVC : MUTE	

Select a mode to be adjusted, using the channel down key. Example: VCO.

AGC	XX	RC	XXX
VCO	XX	GC	XXX
SBT	XX	BC	XX
SCT	XX	VA	XX
SCR	XX	VS	XX
STT	XXX	HS	XX
GG	XXX	SS	XX
BG	XXX	SVC : MUTE	

Change the data with "Volume +, - " keys.

VCO	71

Return to the Service mode by pressing MENU.

AGC	XX	RC	XXX
VCO	XX	GC	XXX
SBT	XX	BC	XX
SCT	XX	VA	XX
SCR	XX	VS	XX
STT	XXX	HS	XX
GG	XXX	SS	XX
BG	XXX	SVC : MUTE	

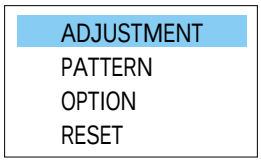
Return to the Factory mode via the MENU key.

ADJUSTMENT
PATTERN
OPTION
RESET

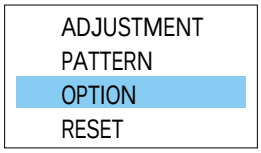
Press POWER to enter the Stand-by mode.

3-1-3 Adjustment in Option Mode

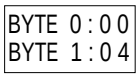
This adjustment is necessary whenever the EEPROM is replaced. Input data (as marked on the back cabinet).



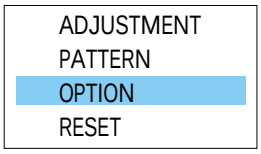
Select “SET OPTION” by pressing the Channel ▼ key twice.



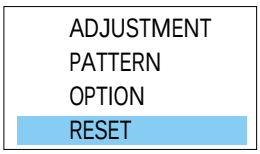
Press the Volume +, - keys to enter the set Option mode.



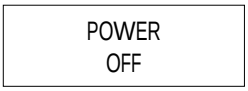
Press MENU to go back to the factory mode.



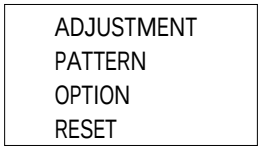
Select RESET with channel ▼ key.



Press volume + key.



3-1-4 Service Mode Adjustments



1. The Pattern Adjustment is done only in the factory. Do not attempt to readjust it.
2. Refer to 3-2 for other adjustments.
3. Set OPTION data.

3-1-5 Service Mode Adjustment Ratings

No	Item	Function	Range	Initalized MICOM Data
1	AGC	RF AGC Adjustment	0~63	50
2	VCO	PIF VCO Adjustment	0~127	63
3	SCT	SUB-CONTRAST Adjustment	0~63	48
4	SCR	SUB-COLOR Adjustment	0~27	13
5	STT	SUB-TINT Adjustment	0~27	7
6	RC	RED-CUT OFF Adjustment	0~255	0
7	GC	GREEN-CUT OFF Adjustment	0~255	0
8	BC	BLUE-CUT OFF Adjustment	0~255	0
9	SVC	Input a Horiz line pattern		
10	GG	GREEN-GAIN Adjustment	0~255	127
11	BG	BLUE-GAIN Adjustment	0~255	127
12	SBT	SUB-BRIGHTNESS Adjustment	0~63	31
13	VA	VERTICAL SIZE Adjustment	0~63	39
14	VS	VERTICAL CENTER Adjustment	0	0
15	HS	HORIZONTAL Phase Adjustment	0~31	15
16	SS	SUB-SHARPNESS Adjustment	0~31	4

Note : The initial MICOM data values take effect when IC902 is replaced.

3-2 Alignment and Adjustment

3-2-1 General Alignment Instructions

1. Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as picture height, focus and a horizontal and vertical sync.

2. Observe the picture and check for good back and white details. There should be no objectionable color shading: If color shading is present, demagnetize the receiver. If color shading persists, perform purity and convergence adjustments described below.

3. To protect against shock hazard, use an isolation transformer.

3-2-2 Power Supply Check

Check the following:
A: Power plug is connected; “Stand-by” mode
B: Power On when “Power ON” button is pressed
C: Power On by FBT Each supply is marked on its lead-in wire. ( )

3-2-3 Focus Adjustment

Adjust the focus control on the FBT for well defined scanning lines.

3-2-4 Fail Safe Circuit Check (FS) (OPTION)

1. The failsafe check must be the final step in servicing.

2. Turn the power switch ON and adjust customer controls for normal operation.

3. Temporarily short pin X to pin R on the main board (RX06, RX04) with a jumper wire. Raster will disappear.

4. The TV must remain in this state even after removing the jumper wire. This shows that the failsafe circuit is working properly.

5. To recover picture and sound, temporarily turn off the TV and allow the failsafe circuit more than 30 seconds to reset. Then switch power ON to produce normal picture and sound.

3-2-5 IC902 Replacement

1. When IC902 is replaced, all values are reset to “Initialized MICOM Data” and readjustment is necessary.

2. Press the POWER button 10 seconds after plug-in.

3. To enter the Service Mode, refer to Fig. 3-1 (Service Mode Adjustment).

3-2-6 PIF VCO Adjustment

1. Use a Pattern Generator or an off-air signal.

2. Open pin 11 of Micom (IC901) or one side of lead pin for R237.

3. Adjust VCO in the service mode to set IC101 Pin 44 (AFT) to 2.5V ± 0.4V.

4. Connect the opened site.

3-2-7 RF-AGC Adjustment

1. Input a PHILLIPS pattern.

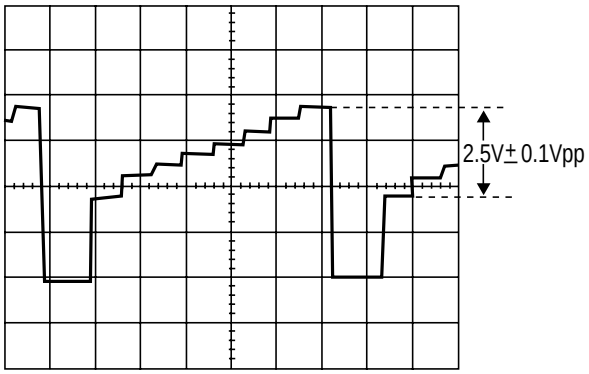
2. Set the input signal to 60 dB.

3. Enter into the AGC in the service mode.

4. Adjust AGC until color bar noise disappears.

3-2-8 Sub-Contrast Adjustment

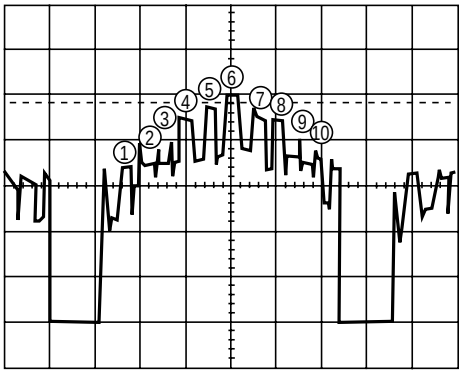
1. Input a gray scale pattern. Use a pattern generator (PM5518).
2. Short D208 to switch off the ABL feed-back.
3. Check CN201 R-OUT with an oscilloscope.
4. Set RC, BC, GC data to 0 in the Service Mode.
5. Adjust SCT to 2.40 ± 0.1Vp-p



6. Remove the short across D208 and restore ABL.

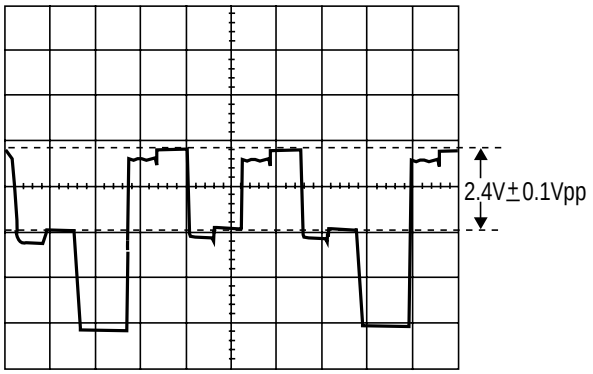
3-2-9 Sub-Tint Adjustment

1. Input a rainbow pattern.
2. Check CN201 B-OUT with an oscilloscope.
3. Adjust STT in the service mode until the 6th peak is the highest and the 5th and 7th peaks have equal heights.



3-2-10 Sub-Color Adjustment

1. Do sub-color adjustment after the Sub-Contrast and Sub-Tint adjustments.
2. D208 should still be shorted. The ABL should still be switched OFF.
3. Input a color bar pattern. Use a pattern generator (PM5518).
4. Check CN201 R-OUT (use an oscilloscope).
5. Ensure that the RC, GC and BC data are 0. BG are 140 and GG should be 90.
6. Adjust SCR to 2.4 ± 0.1Vp-p (black and red levels).
7. Remove the short across D208 and restore ABL.



3-2-11 White Balance Adjustment

3-2-11 (A) LOW-LIGHT ADJUSTMENTS

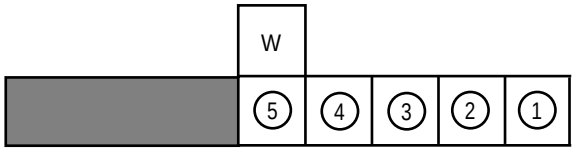
1. Input either a lion head or “pure white” color pattern.
2. Operate the receiver for 30 minutes.
3. Check the data in the service mode:
   RC, GC, BC are 0 and SB is 16;
   Steps BG are 90 and GG are 140.
4. Enter the horizontal line mode by pressing the MUTE key.
5. Adjust the screen VR on the FBT until a dim colored line (red,green or blue) appears on the screen.
6. After pressing the MUTE key, go to RC,BC or GC with channel ▲,▼keys. After putting a dim colored line (red, green or blue) in the horizontal line with MUTE key, adjust color with volume ▲,▼ keys.
7. Exit the horizontal line via the MUTE key.

3-2-11 (B) HIGH-LIGHT ADJUSTMENTS

1. Input a high-light pattern
2. Adjust GG,BG in the Service Mode.
3. Recheck in low light.

3-2-12 Sub-Brightness Adjustment

1. Input a Toshiba pattern.
2. Warm up the receiver for 10 minutes.
3. Enter the Service Mode and set SB to the point where the 5th point is brighter in the gray scale.



3-2-13 Vertical Size Adjustment

1. Input a lion head pattern.
2. After the vertical center adjustment, enter into the service mode.
3. Adjust VA so that the each top and bottom of the screen is 4.0. If the top and bottom values are different, adjust VA so that the sum of the two values is 8.0.

3-2-14 Horizontal Size Adjustment

1. Receive a lion head pattern.
2. Enter into the service mode.
3. Adjust HS to symmetrized right and left.

3-2-15 When CRT Is Replaced

Do the following adjustments after the basic purity and convergence adjustments.

1. White Balance
2. Sub-brightness
3. Vertical Size
4. Horizontal Size
5. Fail safe (should be the final step).

3-3 Option Byte Table

Micom : SZM370TH

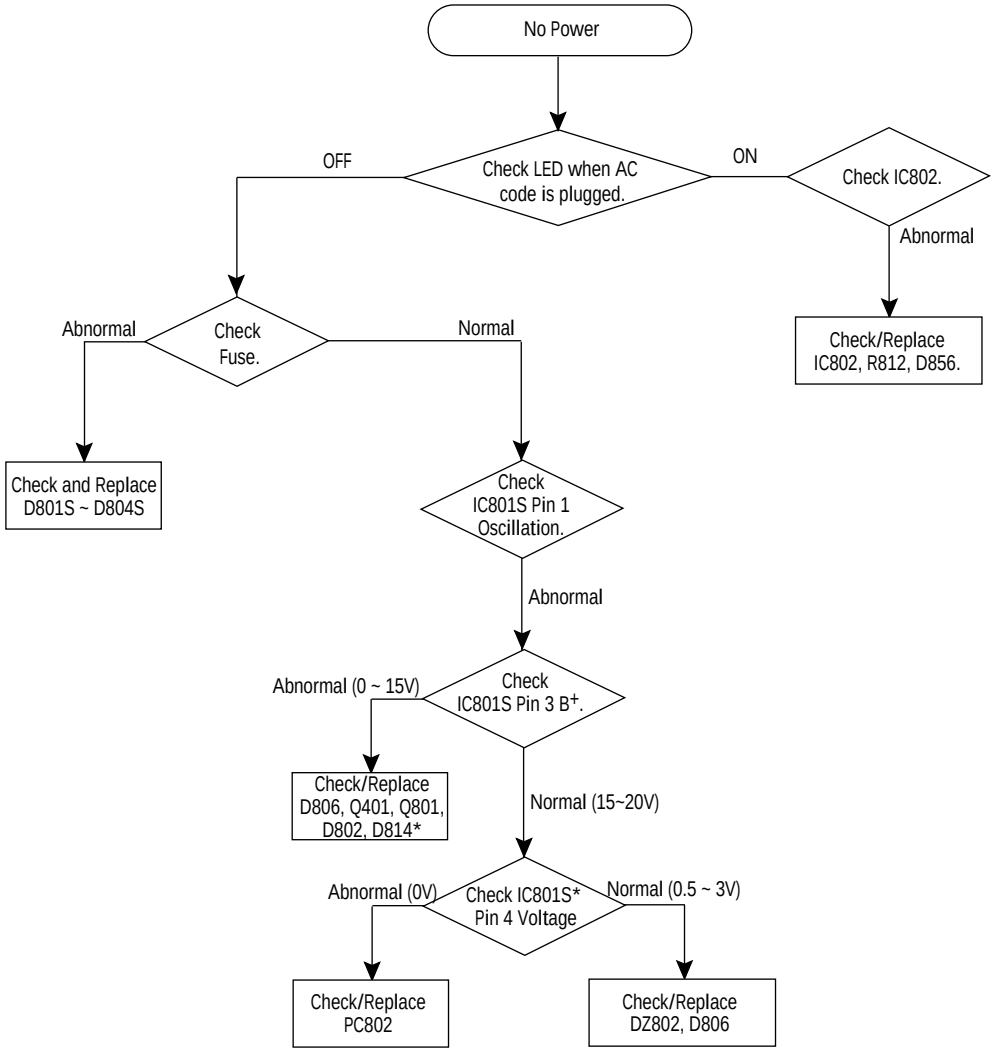
Note: The option bytes are adjusted in the Service mode.

BYTE:0	NAME	FUNCTION		REMARK
		0	1	
D7	WIDE	Not Used	Used	
D6	AFT	Analog (Tuner Input)	Digital (1 Chip Input)	
D5	AUTO POWER ON	Not Used	Used	
D4				
D3	AUTO SOUND MUTE	Sound Mute (during no signal)	No Sound Mute (during no signal)	
D2	TV/Video	TV/Video	Video Only	
D1	AUTO POWER OFF	Not Used	Power Off (after 15 minute) during no signal	
D0	CATV	AIR/STD/HRC/IRC	AIR/STD/HRC/AFN	1 for army NT Only

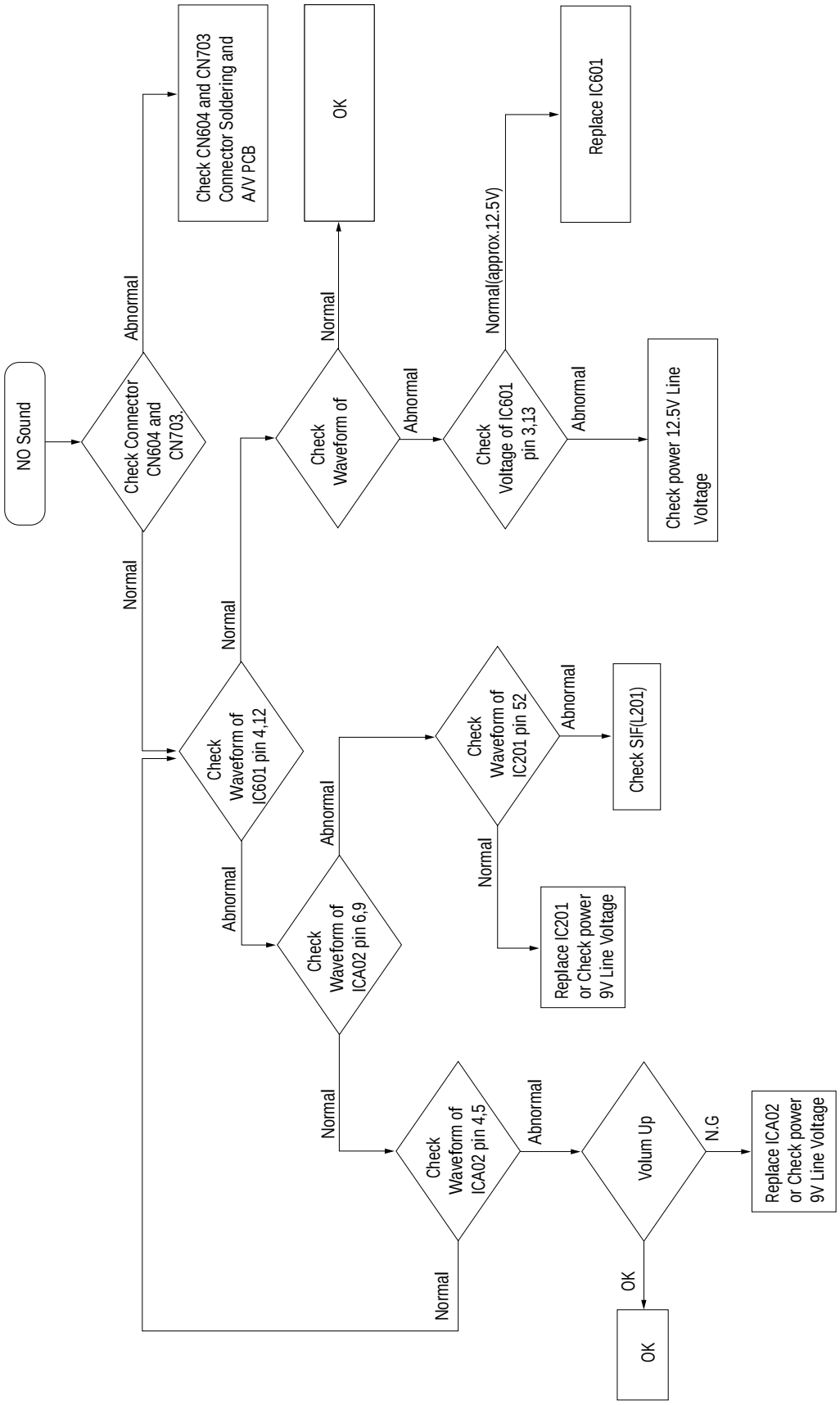
BYTE:1	NAME	FUNCTION		REMARK
		0	0	
D7				
D6				
D5				
D4				
D3				
D2	TURBO	No Turbo function	Turbo function exists	
D1	MTS	No MTS function	MTS function exists	
D0	V-CHIP	No V-CHIP function	V-CHIP function exists	

4. Troubleshooting

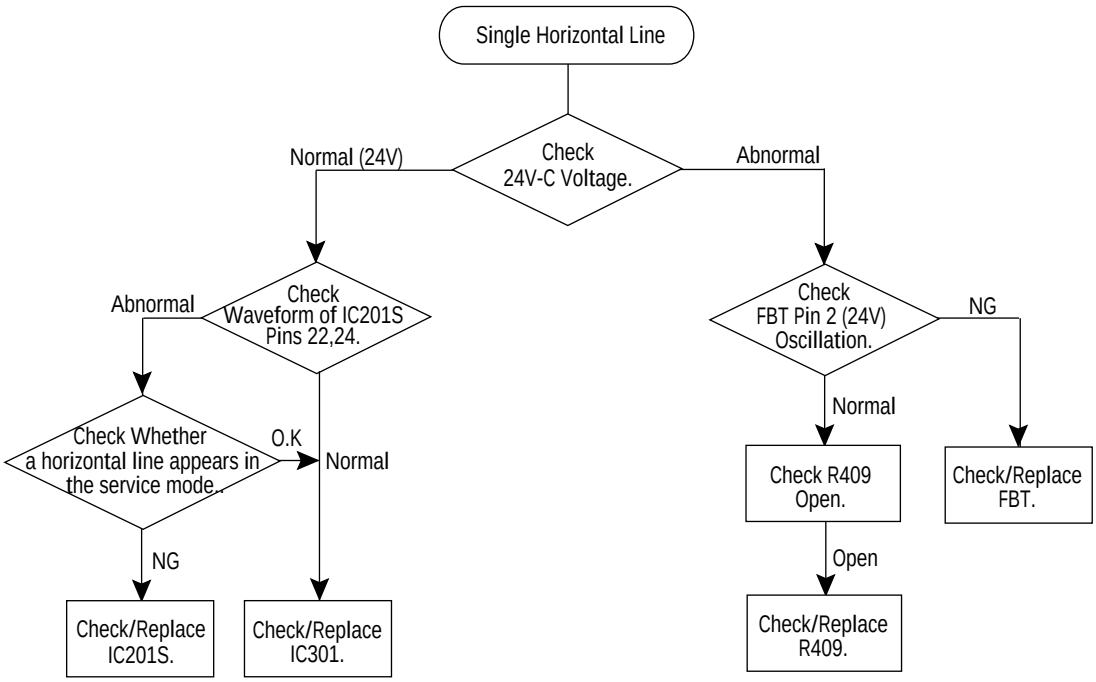
4-1 No Power



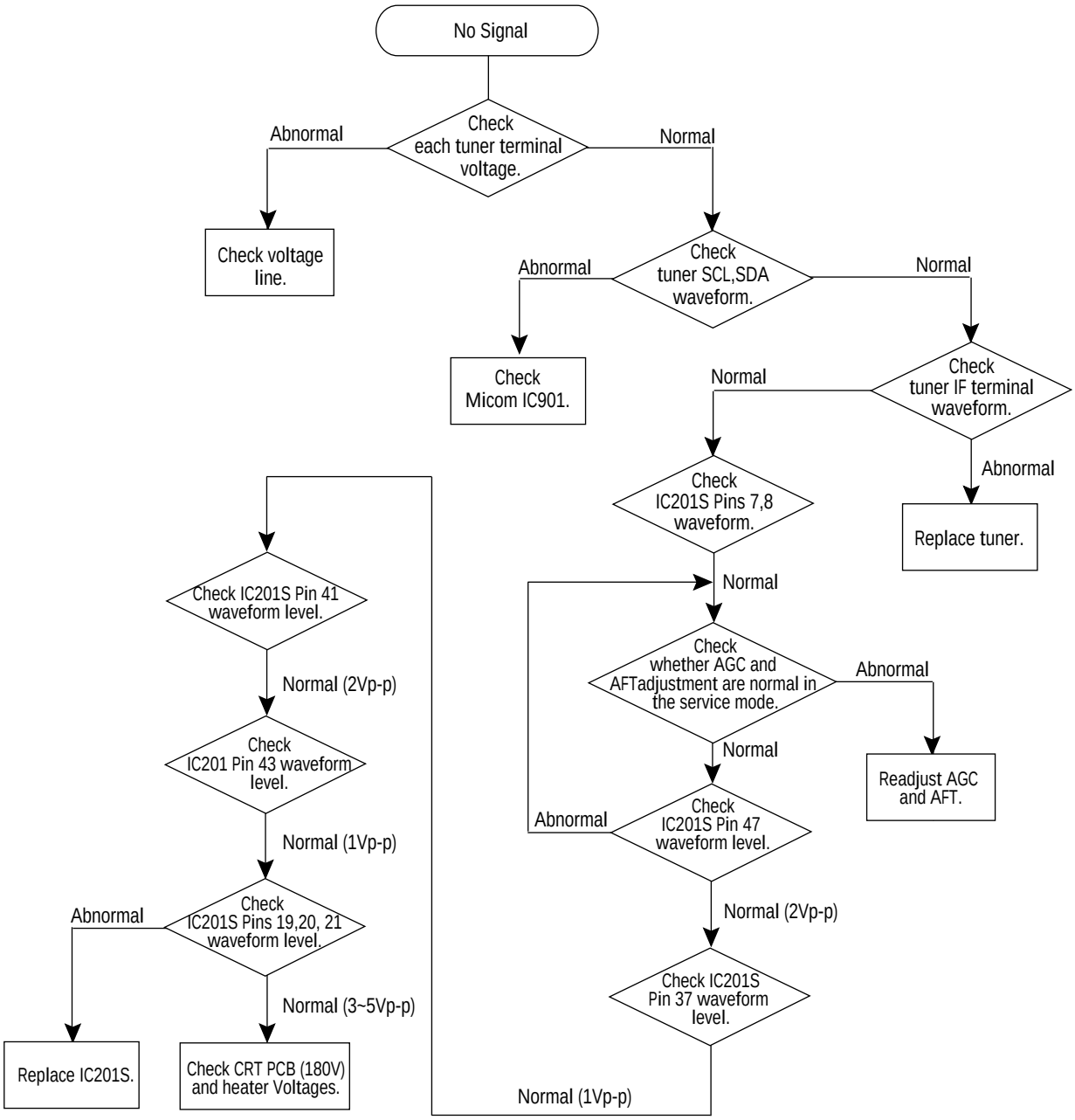
4-2 No Sound


NO Sound
Check Connector CN604 and CN703.
Abnormal
Check CN604 and CN703 Connector Soldering and A/V PCB
Normal
Check Waveform of IC601 pin 4,12
Abnormal
Check Waveform of ICA02 pin 6.9
Abnormal
Check Waveform of IC201 pin 52
Abnormal
Check SIF(L201)
Normal
Replace IC201 or Check power 9V Line Voltage
Normal
Check Waveform of ICA02 pin 4,5
Abnormal
Volum Up
N.G
Replace ICA02 or Check power 9V Line Voltage
OK
OK
Normal
Check Waveform of IC601 pin 3,13
Abnormal
Check power 12.5V Line Voltage
Normal(approx.12.5V)
Replace IC601
Normal
OK

4-3 Horizontal Line Appears

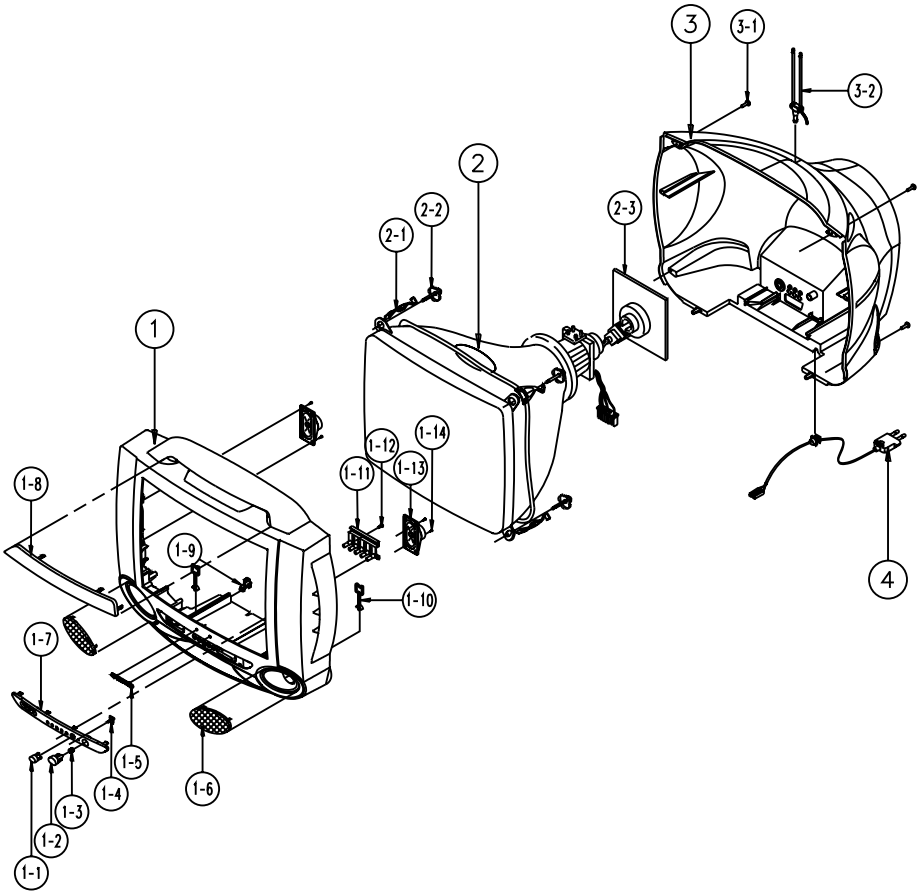


4-4 No Signal


No Signal
Check each tuner terminal voltage.
Abnormal
Normal
Check voltage line.
Check tuner SCL,SDA waveform.
Abnormal
Normal
Check Micom IC901.
Check tuner IF terminal waveform.
Normal
Abnormal
Replace tuner.
Check IC201S Pins 7,8 waveform.
Normal
Check whether AGC and AFTadjustment are normal in the service mode.
Abnormal
Readjust AGC and AFT.
Normal
Abnormal
Check IC201S Pin 47 waveform level.
Normal (2Vp-p)
Check IC201S Pin 37 waveform level.
Normal (1Vp-p)
Check IC201S Pin 41 waveform level.
Normal (2Vp-p)
Check IC201 Pin 43 waveform level.
Normal (1Vp-p)
Abnormal
Check IC201S Pins 19,20, 21 waveform level.
Normal (3~5Vp-p)
Replace IC201S.
Check CRT PCB (180V) and heater Voltages.

5. Exploded Views & Parts List

5-1 CT2088BL6X/XAP



No	Code No	Description	Specification	Q'ty	Remark
1	AA91-00283B	ASSY CABINET FRONT	;-,20S4,(SPK)SV704 EPG	1	
1-1	AA64-00704B	WINDOW REMOCON	;-,20S4,-,PC,V0,VIOLET,-"	1	
1-2	AA64-00703D	KNOB POWER	;-,20S4,T/S NO-SILK,ABS,HB,G36	1	
1-3	AA61-60003J	SPRING-CS	;-,SUS304,0.5,OD6,H12,N7,-,-,-	1	
1-4	AA64-00705B	INDICATOR LED	;-,20S4,-,ACRYL,-,CLR,-	1	
1-5	AA64-70123B	BADGE-BRAND	;AL,R2000,SILVER,L=50,SAMSUNG	1	
1-6	AA63-00204B	GRILLE-WOOFER,L	;-,20S4,-,SECC,T0.5,SV704	1	
	AA63-00205B	GRILLE-WOOFER,R	;-,20S4,-,SECC,T0.5,SV704	1	
1-7	AA63-00226B	COVER-TOP,LATIN	;-,20S4,T/SOUND,ABS,LG TR	1	
1-8	AA63-00202C	COVER-CONTROL	;-,20S4,GD906P EPG NT,HIPS,	1	
1-9	AA61-40113A	STOPPER-PCB	;501H,HIPS,NTR,HB,-,-	1	
1-10	AA65-30105A	CLAMP-WIRE	;NYLON 66,V2,NTR,15MM,ALL MODE	2	
1-11	AA64-00702B	KNOB CONTROL	;-,20S4,-,ABS,HB,G3676	1	
1-12	6003-001026	SCREW-TAPTITE	;RH,+,B,M4,L15,ZPC(BLK),SWR	1	
1-13	3001-001088	SPEAKER	;5W,8ohm,90dB,250Hz+-50Hz	2	
1-14	6003-001026	SCREW-TAPTITE	;RH,+,B,M4,L15,ZPC(BLK),SWR	12	
2	AA03-10029Z	CRT-COLOR	;-,A48KRD82X(HB),+380mG,20,90d	1	
2-1	AA65-30107A	CLAMP-D,COIL	;NYLON 66,V2,NTR,-,20~22 INC	4	
2-2	AA60-10050R	SCREW-ASSY	;WC,HH,+,M5,L31.5,SWRCH18A,ZPC	4	
2-3	3704-001105	SOCKET-CRT	;11P,20PI,26.5PI,NI,-	1	
3	AA64-00701C	CABINET BACK	;-,20S4,-,HIPS,HB,BLK,-,-	1	
3-1	6003-001026	SCREW-TAPTITE	;RH,+,B,M4,L15,ZPC(BLK),SWR	6	
3-2	AA42-10001V	ANT-ROD	;-,3S,620mm,BRN,UL/CSA	1	
4	AA39-10006X	POWER-CORD	;-,KKP419C,KLCE-2F,2.286MT,3P,	1	

MEMO

6. Electrical Parts List

6-1 CT1488BL6X/XAP (CT1488BL6X/XAP and CT2088BL6X/XAP Dissimilar parts)

Loc. No.	Code No.	Description ; Specification	Remark

ASSY PCB MAIN(OPT)

	* AA94-01968C	ASSY PCB MAIN(OPT);CT-14S4,K15A,KOREA,-	
C216	2201-000354	C-CERAMIC,DISC;0.02nF,5%,50V,NP0,TP,5x3,5	
C301	2301-000020	C-FILM,PEF;27nF,5%,100V,TP,7.3x4x12.5mm,5	
C305	2305-000427	C-FILM,MPEF;47nF,5%,100V,TP,7.5x12.5x3.5,5	
C602	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,5	
CN501	AA39-20109D	LEAD CONNECTOR-ASSY;-,YBNH025-08,S,8P,300,1007#26	
CN604	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGHT,SN	
CN705	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAIGHT,Sn	
CR401S	2301-001337	C-FILM,MPE-PPF;4.3nF,5%,1.6kV,TP,28.5x16x9mm,20	
CR402S	2201-000406	C-CERAMIC,DISC;0.27nF,10%,2kV,Y5P,TP,6.3x5,7.5	
CR403S	2306-000171	C-FILM,MPPF;270nF,5%,250V,TP,21.5x12.5mm,7	
CS602	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,5	
JAW03	3812-000219	WIRE-NO SHEATH CU;TCWA,300V,52mm(TAPING),1/0.6mm	
JAW04	3812-000219	WIRE-NO SHEATH CU;TCWA,300V,52mm(TAPING),1/0.6mm	
LC801S	AA27-20003U	COIL-DEGAUSSING;-,14,16.4ohm,75T,890mm,D	
LR401S	AA27-30003R	COIL-LINEARLITY;-,220uH,YL10x10,0.35mm,23x13mm	
R204	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R205	2001-000995	R-CARBON;8200HM,5%,1/8W,AA,TP,1.8X3.2MM	
R206	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R214	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R226	2001-000397	R-CARBON;180KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R303	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R304	2003-001036	R-METAL OXIDE(S);3.3ohm,5%,2W,AF,TP,3.9x10mm	
R305	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R306	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R307	2001-000679	R-CARBON;36KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R308	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R309	2003-000649	R-METAL OXIDE(S);330ohm,5%,1W,AF,TP,3.3x9mm	
R404	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R411	2004-001377	R-METAL(S);120Kohm,1%,1/2W,AA,TP,2.4x6.4m	
R412	2004-001377	R-METAL(S);120Kohm,1%,1/2W,AA,TP,2.4x6.4m	
R413	2001-001037	R-CARBON(S);0.39OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R518	2008-000266	R-FUSIBLE(S);1ohm,5%,2W,AF,TP,3.9x10mm	
R518A	2008-001015	R-FUSIBLE(S);1.5ohm,5%,2W,AF,TP,3.9x10mm	
R606	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R607	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RM01	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x9mm	
RM02	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x9mm	
RS604	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RS605	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RU10	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
T444S	AA26-30005S	TRANS-FLYBACK;-,FSV-14A004(S),14,125V	
⚠ V999S	3704-001112	SOCKET-CRT;8P,12PI,22.5PI,NI,-	

ASSY CABINET FRONT

	* AA91-00317A	ASSY CABINET FRONT;-,14S4,(SPK)SV704 EPG B2,HB,GRAY	
	* AA90-00268A	ASSY CABINET;14S4,CT1488BL6X/XAP	
BACK	AA64-00751B	CABINET BACK;-,14S4,-,HIPS,HB,BLK,-,-	
BADGE	AA64-70127F	BADGE-BRAND;AL,SAMSUNG,SILVER,L40,R800,NEW	
CB+CF	6002-000514	SCREW-TAPPING;RH,+,2,M4,L15,ZPC(BLK),SWRCH18	
CMPD	AA65-30106A	CLAMP-D,COIL;NYLON 66,V2,NTR,-,14 INCH,-	
CRT+CF	AA60-10050Q	SCREW-ASSY;WC,HH,+,M5,L26.5,SWRCH18A,ZPC(	
CVR	AA63-00215B	COVER-CONTROL,A;-,14S4,GD906P EPG NT,HIPS,HB,GRAY,-	
CVRT	AA63-00227B	COVER-TOP,LATIN;-,14S4,DG703P,ABS,LG TR558,CLR,-,-	
FRONT	AA64-00750B	CABINET FRONT;-,14S4,SV704P EPG BIO2000,HIPS,HB,GRAY,-,-	
GRILLE	AA63-00218B	GRILLE-WOOFER,L;-,14S4,SV704G,SECC,T0.5,-,-	
GRILLE	AA63-00219B	GRILLE-WOOFER,R;-,14S4,SV704G,SECC,T0.5,-,-	
ID+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWRCH18	
KNOBC	AA64-00752B	KNOB CONTROL;-,14S4,-,ABS,HB,G3676	
KNOBP	AA64-00753B	KNOB POWER;-,14S4,NT NO-SILK,ABS,HB,G3676	

Loc. No.	Code No.	Description ; Specification	Remark

LED	AA64-00755B	INDICATOR LED;-,14S4,-,ACRYL,-,CLR,-	
PA+CF	AA60-10002A	SCREW-TAPPING;RH,+,M4,L12,ZPC(YEL),-,OD14	
SPRING	AA61-60003J	SPRING-CS;-,SUS304,0.5,OD6,H12,N7,-,-,-	
WRMC	AA64-00754B	WINDOW REMOCON;-,14S4,-,PC,V0,VIOLET,-	

ASSY-CRT

	* AA94-50015E	ASSY-CRT;A34KQV42X(B),+380mG,14,BARE,C	
⚠ CRT	AA03-10001Z	CRT-COLOR;-,A34KQV42X(B),+380MG,14,90DE	
DY	AA27-50004X	DEFLECTION-YOKE;	
MGNT	AA27-00001A	MAGNET-CONVERGENCE;-,JH225-06A,22.5MM	

ASSY-PCB,A/V FRONT

	* AA95-00591A	ASSY-PCB,A/V FRONT;-,CT1488BL6,K15A,-,-,-	
LEAD	AA39-20067A	LEAD CONNECTOR-ASSY;-,YBNH025-10,67096-010,10P,300	
PCBF	AA41-00250A	PCB-FRONT A/V;K15A,1L,FR-1,245x245x1.6T,24A,MC-H/V-C,51x27	

ASSY SPEAKER

	* AA96-00321A	ASSY SPEAKER;-,8ohm,6W,001034/00320A,350/550	
AHDRS	AA91-00320A	ASSY HOLDER SPK;-,-,PIEZO ASSY,-,SILVER CAP,CT-14S4	
LEADC	AA39-00105A	LEAD CONNECTOR-ASSY;-,-,-,-,-,-,-,-,-,-,YSH250-04,REC,35155-0200,4P,350/550/100mm,1007#22	
SPK	3001-001034	SPEAKER;6W,8ohm,90dB,140Hz	

6-2 CT2088BL6X/XAP

ASSY PCB MAIN(OPT)

* AA94-01968BASSY PCB MAIN(OPT);CT20S4Z6X/XAP,K15A-1,

Loc. No.	Code No.	Description ; Specification	Remark
C101	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C102	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C104	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C108	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C110	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C151	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C153	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C201	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
C202	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C203	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C204	2301-000188	C-FILM,PEF;1nF,5%,100V,TP,10.5x12.5x6.5,	
C205	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C206	2305-001011	C-FILM,MPEF;22nF,5%,100V,TP,3.5x12.5x7.5	
C207	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C209	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C210	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C211	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C212	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
C213	2201-000193	C-CERAMIC,DISC;0.01nF,0.25pF,50V,NP0,TP,	
C214	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C215	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C218	2301-000395	C-FILM,PEF;18nF,5%,50V,TP,6.5x12.5x3.5mm	
C219	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C220	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C221	2401-002462	C-AL;33uF,20%,16V,GP,TP,5x11,5	
C222	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C225	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C226	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C227	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C229	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C230	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C231	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C232	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C234	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
C235	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C236	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C237	2202-000791	C-CERAMIC,MLC-AXIAL;150pF,10%,50V,Y5P,TP	
C301	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
C302	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
C303	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C304	2401-000553	C-AL;1uF,10%,50V,HR,TP,5x11mm,5mm	
C305	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C306	2401-002458	C-AL;1000uF,20%,35V,GP,TP,16x25,7.5	
C308	2301-000310	C-FILM,PEF;68nF,5%,50V,TP,8.0X8.5X4.0X5,	
C309	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,5	
C310	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C311	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C312	2401-000553	C-AL;1uF,10%,50V,HR,TP,5x11mm,5mm	
C313	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm	
C401	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
C405	2305-000704	C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5	
C406	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
C407	2401-001429	C-AL;470uF,20%,50V,GP,TP,13x20,5	
C408	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
C409	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
C410	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
C411	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
C412	2401-000927	C-AL;22UF,20%,250V,GP,TP,13X20mm,5mm	
C413	2401-002268	C-AL;2.2uF,20%,250V,LZ,TP,8X11,5	
C444	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
C445	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
C501	2202-000863	C-CERAMIC,MLC-AXIAL;560pF,10%,50V,Y5P,TP	
C502	2202-000862	C-CERAMIC,MLC-AXIAL;390pF,10%,50V,Y5P,TP	
C503	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP	
C505	2201-002063	C-CERAMIC,DISC;10nF,+80-20%,3KV,Y5V,TP,1	
C601	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
C602	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C603	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C604	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C611	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C612	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C701	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C705	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
C801	2401-003025	C-AL;330uF,20%,400V,GP,ST,30x40,10	
C802	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
C803	2301-001342	C-FILM,PPF;1.5nF,5%,800V,TP,15x6.5x11.5m	
C805	2201-000991	C-CERAMIC,DISC;0.56nF,10%,2kV,Y5P,TP,7.5	
C806	2401-000262	C-AL;100uF,20%,160V,HR,TP,16x25,7.5	
C807	2201-000599	C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5.	
C808	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
C810	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C811	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C812	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C816	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C817	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C820	2401-000703	C-AL;2200uF,20%,25V,GP,-,12.5x25mm,	
C821	2401-001486	C-AL;47uF,20%,160V,HR,TP,13x20mm,5m	
C822	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C823	2201-000370	C-CERAMIC,DISC;0.22nF,10%,50V,Y5P,TP,4x3	
C851	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
C852	2301-000235	C-FILM,PEF;3.9nF,5%,50V,TP,6.5x3.0x5.5mm	
C901	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C902	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C903	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C904	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C905	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C907	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C908	2201-000193	C-CERAMIC,DISC;0.01nF,0.25pF,50V,NP0,TP,	
C909	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
C910	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C911	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C912	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm	
C915	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
CMPF	AA65-30009A	CLAMP-FBT;ABS,V0,BLK,-,-,-	
CMPF	AA65-30109A	CLAMP-FBT;NYLON-66,V2,BLK,-,-,-	
CMPW	AA65-30104C	CLAMP-WIRE;NYLON 66,V2,NTR,W1 Z4,ALL MOD	
CN501	AA39-20109A	LEAD CONNECTOR-ASSY;-,YBNH025-08,S,8P,40	
CN604	3711-000963	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
CN704	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CR401S	2306-000255	C-FILM,MPPF;7.4nF,3%,1.6KV,TP,28.5x18.5x	
CR402S	2201-000639	C-CERAMIC,DISC;0.68nF,10%,2kV,Y5P,TP,9x5	
CR403S	2306-000193	C-FILM,MPPF;360nF,5%,200V,TP,21x18.5x13,	
CS601	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CS602	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
CS603	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
CS608	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP	
CS609	2202-000222	C-CERAMIC,MLC-AXIAL;3.3nF,20%,16V,Y5P,TP	
CU02	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CY801S	2201-000446	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,15x	
D101	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
D102	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
D103	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D201	0403-000663	DIODE-ZENER;MTZ3.3B,3.3V,3.32-3.53V,500m	
D202	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D203	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D204	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D205	0403-000355	DIODE-ZENER;UZ5.1BSB,5.1V,4.97-5.18V,500	
D206	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D207	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D208	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D210	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
D299	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
D301	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D302	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
D401	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D402	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D403	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D404	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D405	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D407	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D601	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	

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D701	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
D801S	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
D802	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP	
D802S	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
D803	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D803S	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
D804	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
D804S	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
D805	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
D806	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
⚠ D814A	0402-001351	DIODE-RECTIFIER;YG911S2R,200V,5A,TO-220,	H/SINK
D855	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
D856	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
D901	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
D903	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D904	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D905	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
D906	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
D907	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
DS602	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DS603	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ201	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ202	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ203	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ204	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ205	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ206	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ207	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ208	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ209	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ601	0403-000562	DIODE-ZENER;MTZ7.5B,7.5V,7.07-7.45V,500m	
DZ602	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ603	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ610	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ802	0403-000658	DIODE-ZENER;MTZ18A,18V,16.22-17.06V,500m	
DZ806	0403-000294	DIODE-ZENER;MTZ4.7B,4.7V,4.55-4.80V,500m	
DZ808	0403-000699	DIODE-ZENER;TZP27B,27V,27-30.8V,1W,DO-41	
DZ901	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
DZ902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
DZ903	0403-000355	DIODE-ZENER;UZ5.1BSB,5.1V,4.97-5.18V,500	
DZ904	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
F801A	3602-000114	FUSE-HOLDER;-,-,30mohm	
F801B	3602-000114	FUSE-HOLDER;-,-,30mohm	
FA801S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
FP801S	3601-001012	FUSE;250V,4A,SLOW-BLOW,GLASS,5.2x20	
GT101A	AA39-20010D	LEAD CONNECTOR-ASSY;-,YFH800-01,S,1P,400	
⚠ IC201S	1204-001259	IC-VIDEO SYSTEM;TA1282N,DIP,56P,600MIL,P	
⚠ IC301	1204-000475	IC-VIDEO SYSTEM;KA2131,SIP,10P,-,PLASTIC	H/SINK
⚠ IC601	1201-001308	IC-POWER AMP;7266,ZIP,15P,-,DUAL,26dB,PL	H/SINK
⚠ IC801S	1203-001932	IC-PWM CONTROLLER;5Q0765,TO-220F,5P,185M	H/SINK
⚠ IC802	1203-001532	IC-POSI.FIXED REG.;7631,SIP,10P,-,PLASTI	
⚠ IC901	AA13-00081A	IC-MCU;Z9036512PSC-R4474,SZM-370TH,ST	
⚠ IC902	1103-001107	IC-EEPROM;24C021C,256x8Bit,DIP,8P,300MIL	
JA701	3722-001453	JACK-RCA;3P,3.4mm,NI,BLK,-	
L102	2701-000178	INDUCTOR-AXIAL;33uH,10%,3x7mm	
L152	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
L201	AA26-10004K	TRANS-IF;-,7MG,SIF,11.5uH,7mm,100pF,4.8	
L202	2701-000207	INDUCTOR-AXIAL;56uH,5%,2.5x3.4mm	
L203	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
L204	2701-000207	INDUCTOR-AXIAL;56uH,5%,2.5x3.4mm	
L205	AA26-10004C	TRANS-IF;-,7MG,VIF,0.37uH,7mm,27pF,52.3	
L206	2701-000111	INDUCTOR-AXIAL;100uH,10%,2.5x3.4mm	
L208	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L301	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L402	2701-001032	INDUCTOR-AXIAL;100uH,10%,5x14mm	
L501	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
L502	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
L503	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
L602	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
L802	3301-001223	CORE-FERRITE BEAD;AB,-,3.5X5X0.8MM,-,TP,	
L803	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L804	3301-001223	CORE-FERRITE BEAD;AB,-,3.5X5X0.8MM,-,TP,	
L805	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L810	2701-001032	INDUCTOR-AXIAL;100uH,10%,5x14mm	
L811	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L901	2701-000197	INDUCTOR-AXIAL;5.6uH,10%,2.5x3.4mm	

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L902	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L999	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
LC801S	AA27-20003X	COIL-DEGAUSSING;-,20,14.4ohm,48T,L2170,	
LD901	AA96-30007A	ASSY-LED,GUIDE;-,AA61-50055A,DL-G7GA,GRE	
LR401S	AA27-30001B	COIL-LINEARLITY;-,195uH,QIC1010,PI0.4,4.	
LX801S	AA29-30001D	FILTER-LINE NOISE;SQ1913,-,6.0MH,0.8A,-	
NT801S	1404-001045	THERMISTOR-NTC;4.7OHM,15%,2900K,35.0MW,T	
P801S	1404-001048	THERMISTOR-PTC;7ohm,30%,200/220V,270Vac,	
PC801S	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
Q151	0501-000436	TR-SMALL SIGNAL;KTC3197,NPN,625mW,TO-92,	
Q201	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
Q202	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
Q203	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
Q401	0502-001115	TR-POWER;KSC5386,NPN,50W,TO-3PF,ST,8-	
Q402	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
Q501	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
Q502	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
Q503	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
Q601	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
Q801	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
Q903	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
QU01	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
R101	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
R102	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R104	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
R105	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
R106	2003-000664	R-METAL OXIDE(S);33ohm,5%,2W,AF,TP,4x12m	
R107	2003-000664	R-METAL OXIDE(S);33ohm,5%,2W,AF,TP,4x12m	
R152	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R153	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R154	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R155	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R156	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R157	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R158	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R159	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R201	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R202	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R203	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R204	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R205	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R206	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R207	2001-001111	R-CARBON(S);240OHM,5%,1/2W,AA,TP,2.4X6.4	
R208	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R209	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R210	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R211	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R212	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R213	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R214	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R215	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R218	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R219	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R222	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R223	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R226	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R227	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R228	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R229	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R230	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R231	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R233	2001-000011	R-CARBON;75KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R234	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R235	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
R236	2001-000548	R-CARBON;270KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R237	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R239	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R240	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R241	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R242	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R251	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R252	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R253	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R257	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
R301	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R302	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R303	2001-000908	R-CARBON;62KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc. No.	Code No.	Description ; Specification	Remark
R304	2003-000436	R-METAL OXIDE(S);1.5ohm,5%,1W,AF,TP,3.3x	
R305	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R306	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R307	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R308	2001-000908	R-CARBON;62KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R309	2003-001043	R-METAL OXIDE(S);510ohm,5%,1W,AF,TP,2.5x	
R401	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R402	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R403	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
R404	2001-001136	R-CARBON(S);36OHM,5%,1/2W,AA,TP,2.4X6.4M	
R405	2003-000540	R-METAL OXIDE(S);1Kohm,5%,2W,AF,TP,4x12m	
R406	2008-001107	R-FUSIBLE(S);300ohm,5%,2W,AG,TP,3.9x12mm	
R407	2003-002102	R-METAL OXIDE;68Kohm,5%,2W,AF,TP,4x12mm	
R409	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
R410	2008-000206	R-FUSIBLE(S);1ohm,5%,1/2W,AF,TP,2.5x6.5m	
R411	2004-001373	R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
R412	2004-001373	R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
R415	2003-000784	R-METAL OXIDE(S);7.5Kohm,5%,2W,AF,TP,4x1	
R416	2001-000022	R-CARBON(S);33OHM,5%,1/2W,AA,TP,2.4X6.4M	
R417	2001-001410	R-CARBON(S);43OHM,5%,1/2W,AA,TP,2.4X6.4M	
R444	2001-001099	R-CARBON(S);2.7KOHM,5%,1/2W,AA,TP,2.4X6.	
R501	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R502	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R503	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R504	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
R505	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
R506	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
R507	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R508	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R509	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R510	2001-000628	R-CARBON;3000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R511	2001-000628	R-CARBON;3000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R512	2001-000628	R-CARBON;3000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R513	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R514	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R515	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
R517	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R518	2008-001015	R-FUSIBLE(S);1.5ohm,5%,2W,AF,TP,3.9x10mm	
R599	2008-001053	R-FUSIBLE;22ohm,5%,1/2W,AF,TP,2.5x6.5mm	
R601	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R602	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R603	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
R604	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R606	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R607	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R610	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R611	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R701	2001-001187	R-CARBON(S);75OHM,5%,1/2W,AA,TP,2.4X6.4M	
R702	2004-001373	R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
R801	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
R802	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R803	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R807	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R808	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
R809	2008-000205	R-FUSIBLE(S);10ohm,5%,1/2W,AF,TP,2.5x6.5	
R810A	2008-000261	R-FUSIBLE(S);150ohm,5%,1W,AF,TP,3.9x10mm	
R811	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
R812	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
R814	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R816	2001-001192	R-CARBON(S);820OHM,5%,1/2W,AA,TP,2.4X6.4	
R817	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
R819	2008-000284	R-FUSIBLE(S);0.1OHM,10%,2W,AF,TP,3.9X10M	
R819A	2008-000284	R-FUSIBLE(S);0.1OHM,10%,2W,AF,TP,3.9X10M	
R820	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
R821	2004-004089	R-METAL(S);123Kohm,1%,1/2W,AA,TP,2.5x6.5	
R823	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
R824	2004-001983	R-METAL(S);2.49Kohm,1%,1/2W,AA,TP,2.4x6.	
R825	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
R852	2004-001371	R-METAL(S);1.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
R853	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
R854	2001-001125	R-CARBON(S);300KOHM,5%,1/2W,AA,TP,2.4X6.	
R901	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R902	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R903	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R904	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
R905	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R906	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R907	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R909	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R910	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R911	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R913	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R914	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R915	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R916	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R917	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R918	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R919	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R920	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R921	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R922	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R923	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R924	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R925	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R926	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R927	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R929	2001-000232	R-CARBON;1.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R930	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R931	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R932	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R933	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R936	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
R937	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R938	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R939	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R940	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R941	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R951	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R952	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R988	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RH01	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
RH02	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
RM901	AA59-60001U	MODULE-REMOCON;-,ORC-50VF/SR-12V,38KHz,9	
RR401S	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
RS601	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RS602	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RS604	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RS605	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RS606	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RS607	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
RS613	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RS614	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RU02	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RU06	2001-000397	R-CARBON;180KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RU07	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
RU10	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RY801S	2002-001013	R-COMPOSITION;4.7Mohm,5%,1/2W,AA,TP,3.7x	
SF101S	2904-000304	FILTER-SAW AV;45.75MHz,SIP5K,ST,14.7dB,M	
SW901	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SW902	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SW903	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SW904	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SW905	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SW906	3404-000295	SWITCH-TACT;12VDC,50mA,160gf,8.4X22.7,SP	
T401	AA26-50001B	TRANS-HORIZ.DRIVE;-,7.1mH,102uH,10-20uH,	
T444S	AA26-30001Y	TRANS-FLYBACK;-,FSV-20A001,20,125V	
T801S	AA26-00043A	TRANS SWITCHING;-,-,-,AC90~260V,125/12.5	
TU01S	AA40-10006U	TUNER-F/S;TECC1070PG31A(S),NTSC,TR,181CH	
V999S	3704-001105	SOCKET-CRT;11P,20PI,26.5PI,NI,-	
VX801S	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	
X201	2801-003725	CRYSTAL-UNIT;3.579545MHz,20ppm,28-AAM,16	
X202	2802-000172	RESONATOR-CERAMIC;503.5KHZ,0.5%,BK,7.0X3	
X901	2801-003224	CRYSTAL-UNIT;32.768KHZ,20PPM,28-AAY,12.5	
Z201	2903-001022	FILTER-CERAMIC;BR,4.5MHz,-,-,-,TP,-	
Z601	2903-000135	FILTER-CERAMIC;BP,4.5MHz,120KHz,6dB,-,TP	

ASSY CABINET FRONT

	* AA91-00283B	ASSY CABINET FRONT;-,20S4,(SPK)SV704 EPG
	* AA90-00244B	ASSY CABINET;20S4,CT2088BL6X/XAP
ASPK	AA96-00287A	ASSY SPEAKER;-,8ohm,15W,001115/001088,AA

Loc. No.	Code No.	Description ; Specification	Remark
BACK	AA64-00701C	CABINET BACK;-,20S4,-,HIPS,HB,BLK,-,-	
BADGE	AA64-70123B	BADGE-BRAND;AL,R2000,SILVER,L=50,SAMSUNG	
C/B	AA63-60001X	SPACER-FELT;FELT,T0.5,BLK,330X15,-,-	
CB+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
CMPC	AA65-30008A	CLAMP-CORD;PE,HB,BLK,-,-,-	
CMPD	AA65-30107A	CLAMP-D,COIL;NYLON 66,V2,NTR,-,20~22 INC	
CMPW	AA65-30105A	CLAMP-WIRE;NYLON 66,V2,NTR,15MM,ALL MODE	
CRT+CF	AA60-10050R	SCREW-ASSY;WC,HH,+,M5,L31.5,SWRCH18A,ZPC	
CVRC	AA63-00202C	COVER-CONTROL;-,20S4,GD906P EPG NT,HIPS,	
CVRT	AA63-00226B	COVER-TOP,LATIN;-,20S4,T/SOUND,ABS,LG TR	
FRONT	AA64-00700D	CABINET FRONT;-,20S4,SV704P PGB2000,HIPS	
GRILLEW	AA63-00204B	GRILLE-WOOFER,L;-,20S4,-,SECC,T0.5,SV704	
GRILLEW	AA63-00205B	GRILLE-WOOFER,R;-,20S4,-,SECC,T0.5,SV704	
INLAY	AA64-60385G	INLAY BACK;3E,K15A-1 3PIN S/T,PS SHEET,T	
KC+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
KNOBC	AA64-00702B	KNOB CONTROL;-,20S4,-,ABS,HB,G3676	
KNOBP	AA64-00703D	KNOB POWER;-,20S4,T/S NO-SILK,ABS,HB,G36	
LEAD	AA39-00091A	LEAD CONNECTOR-ASSY;-,-,-,-,-,-,-,-,-,52	
LED	AA64-00705B	INDICATOR LED;-,20S4,-,ACRYL,-,CLR,-	
PA+CF	6003-001024	SCREW-TAPTITE;RWH,+,B,M4,L12,ZPC(YEL),SW	
POWER	AA61-60003J	SPRING-CS;-,SUS304,0.5,OD6,H12,N7,-,-,-	
SPA	AA63-60002W	SPACER-FELT;FELT,T0.5,BLK,30X10,-,-	
SPA	AA63-60001P	SPACER-FELT;FELT,T1.0,BLK,230X15,-,-	
SPK	3001-001088	SPEAKER;5W,8ohm,90dB,250Hz+-50Hz	
SPK	3001-001115	SPEAKER;15W,8ohm,93dB,110	
SPK+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
STOPP	AA61-40113A	STOPPER-PCB;501H,HIPS,NTR,HB,-,-	
WRMC	AA64-00704B	WINDOW REMOCON;-,20S4,-,PC,V0,VIOLET,-	

ASSY ACCESSORY

*	AA94-02098A	ASSY ACCESSORY;CT2088BL6X/XAP,K15A,PANAM
ANT	AA42-10001V	ANT-ROD;-,3S,620mm,BRN,UL/CSA
BATT	4301-000120	BATTERY-MN;1.5V,-,AA,14.5x50mm,-
IB	AA68-00790A	MANUAL USERS;K15A,W/P100(G),32PAGE,A5,1'
IB	AA68-00791A	MANUAL USERS;K15A,W/P100(G),32PAGE,A5,1'
IB	AA68-30004A	MANUAL-BOOK;-,W/P120(G),-,SEPA,-,-
PLUG	3721-000136	PLUG-CONVERSION;2P,4.0mm,N,NI
TRANS	AA26-90001F	TRANS-MATCHING;-,300ohm/75ohm,NTSC,40-89

ASSY-CRT

*	AA94-50019L	ASSY-CRT;A48KRD82X(HB),+380MG,20,BARE,
⚠ CRT	AA03-10029Z	CRT-COLOR;-,A48KRD82X(HB),+380mG,20,90d
DY	AA27-50004W	DEFLECTION-YOKE;-,DSE-1992LL(1H),20'/A48
MGNT	AA27-00002A	MAGNET-CONVERGENCE;-,JH291-SC-OB,29.1MM
SPA	AA63-60028A	SPACER-DY;NEOPRENE,-,BLK,V0 W12,-,-

ASSY-PCB,SOUND

*	AA95-00437A	ASSY-PCB,SOUND;-,CT5066BZG,K15A,-,-,TURB
CA01	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
CA02	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5
CA03	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5
CA04	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5
CA05	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5
CA06	2305-000708	C-FILM,MPEF;150nF,5%,100V,TP,16.5x10.3x5
CA07	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm
CA08	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm
CA09	2305-000708	C-FILM,MPEF;150nF,5%,100V,TP,16.5x10.3x5
CA10	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5
CA11	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5
CA12	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5
CA13	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5
CA32	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP
CNA01	3711-002702	CONNECTOR-HEADER;NOWALL,4P,1R,2.5mm,ANGL
CNA02	3711-002703	CONNECTOR-HEADER;NOWALL,5P,1R,2.5mm,ANGL
CNA03	AA61-10068A	BRACKET-PCB;-,M2160,SPTE,T0.3,-,-,-
DA01	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m

Loc. No.	Code No.	Description ; Specification	Remark
ICA02	1204-001455	IC-VOLUME/TONE CONT.;TDA7449,DIP,20P,300	
PCBS	AA41-00072A	PCB-STEREO MODULE;K15A,1L,FR-1,245X245X1	
QA01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
RA01	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RA05	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA06	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA07	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA08	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA18	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA19	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	

ASSY-PCB,A/V FRONT

*	AA95-00577A	ASSY-PCB,A/V FRONT;-,CT2088BL6,K15A,-,-,
CE01	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
CE02	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
CN705A	AA39-20071D	LEAD CONNECTOR-ASSY;-,YBNH025-12,67096-0
JE601	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO
JR01	3722-001031	JACK-RCA;3P,3.6MM,#18,AU
PCBAV	AA41-00227A	PCB-AV FRONT;K15A-1,1L,FR-1,245x245x1.6T
RE01	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4
RE02	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4

ASSY-POWER,CORD

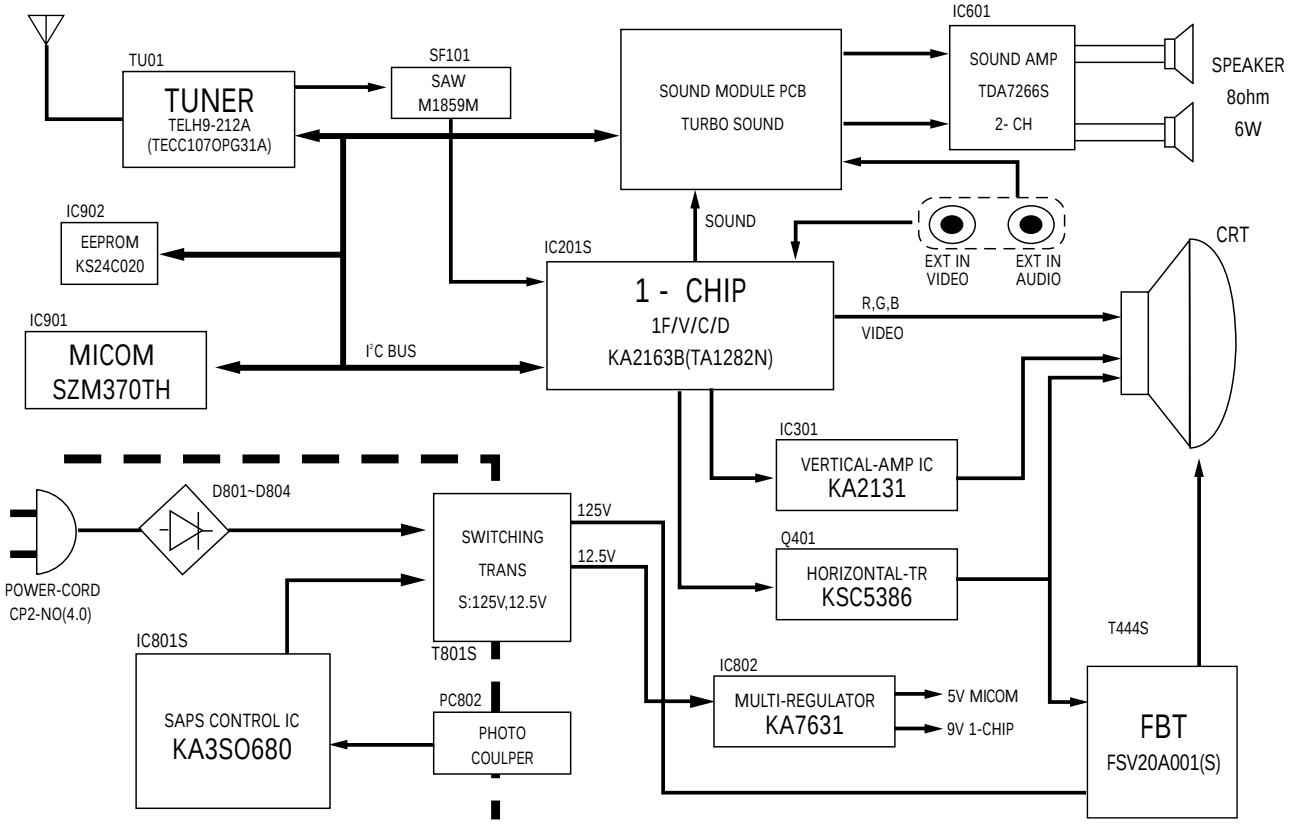
*	AA96-20109C	ASSY-POWER,CORD;-,CP2/NO(4.0),H/C300,KKP
HDRP	AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002
PCORD	AA39-10006X	POWER-CORD;-,KKP419C,KLCE-2F,2.286MT,3P,

REMOCON

*	AA59-00077A	REMOCON;-,TM59,SZM370PH,25,L/GRAY,SS,E

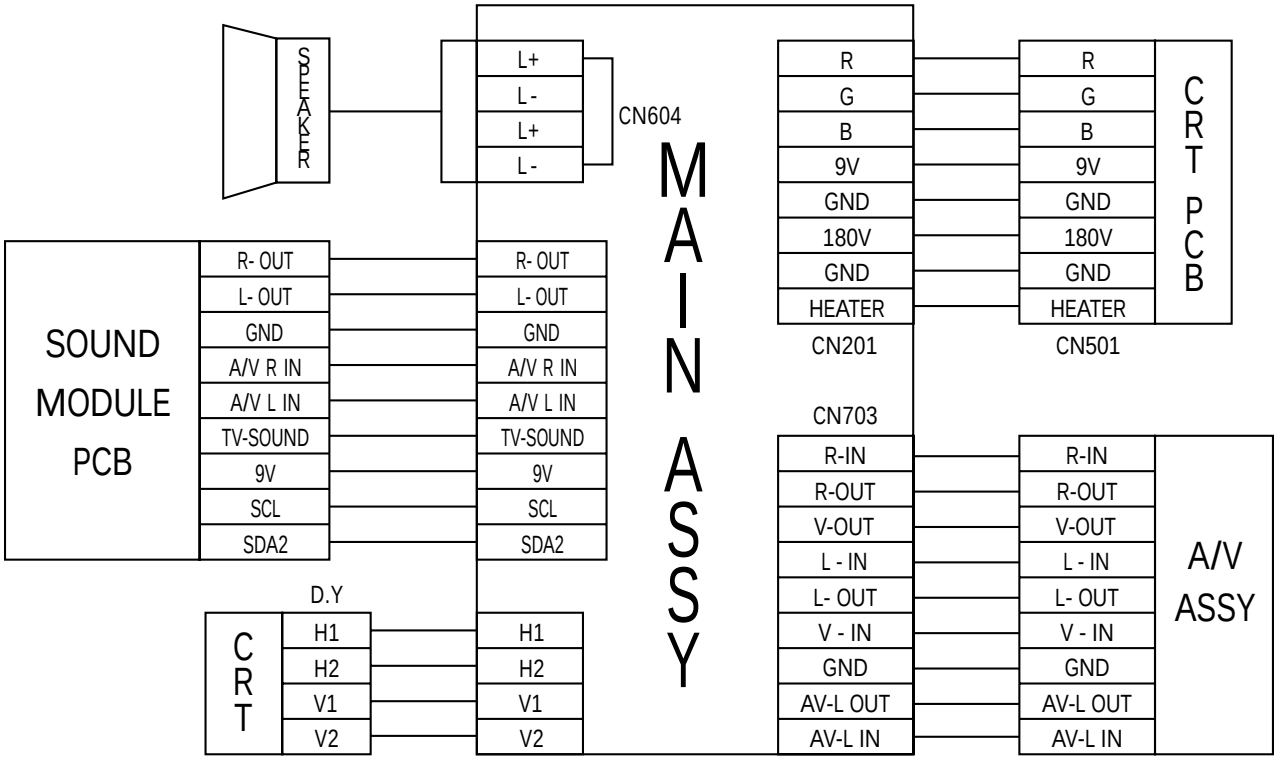
MEMO

7. Block Diagram



MEMO

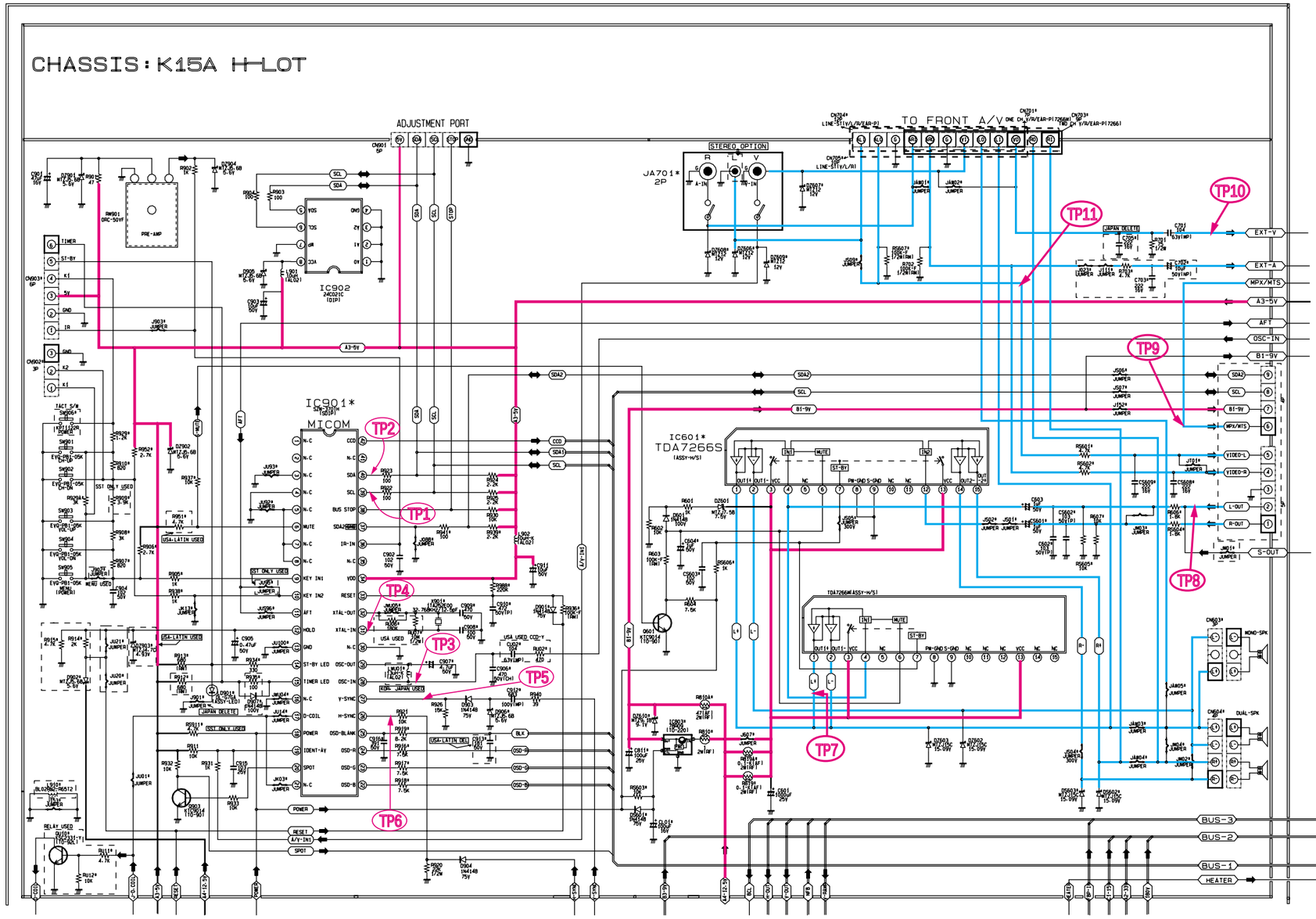
8. Wiring Diagram

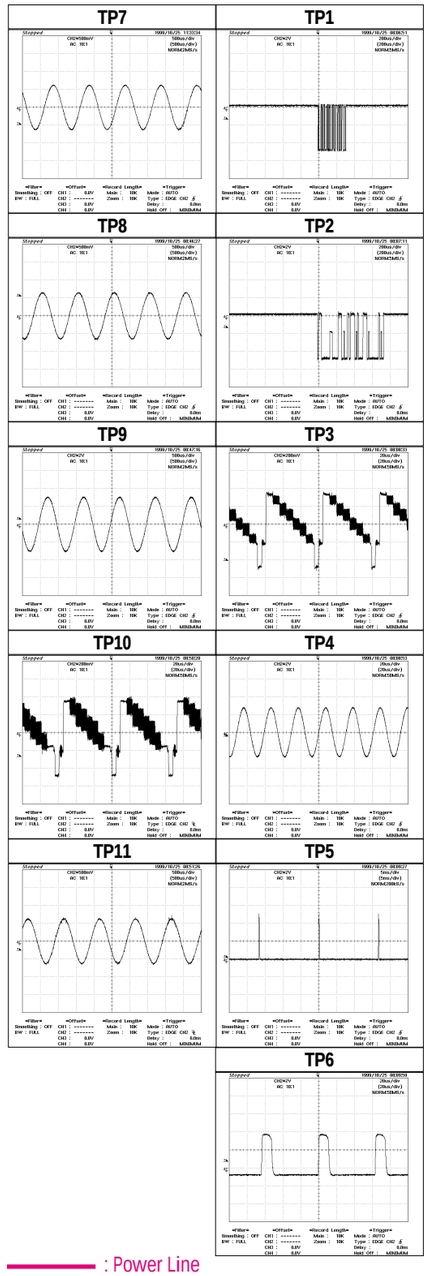


MEMO

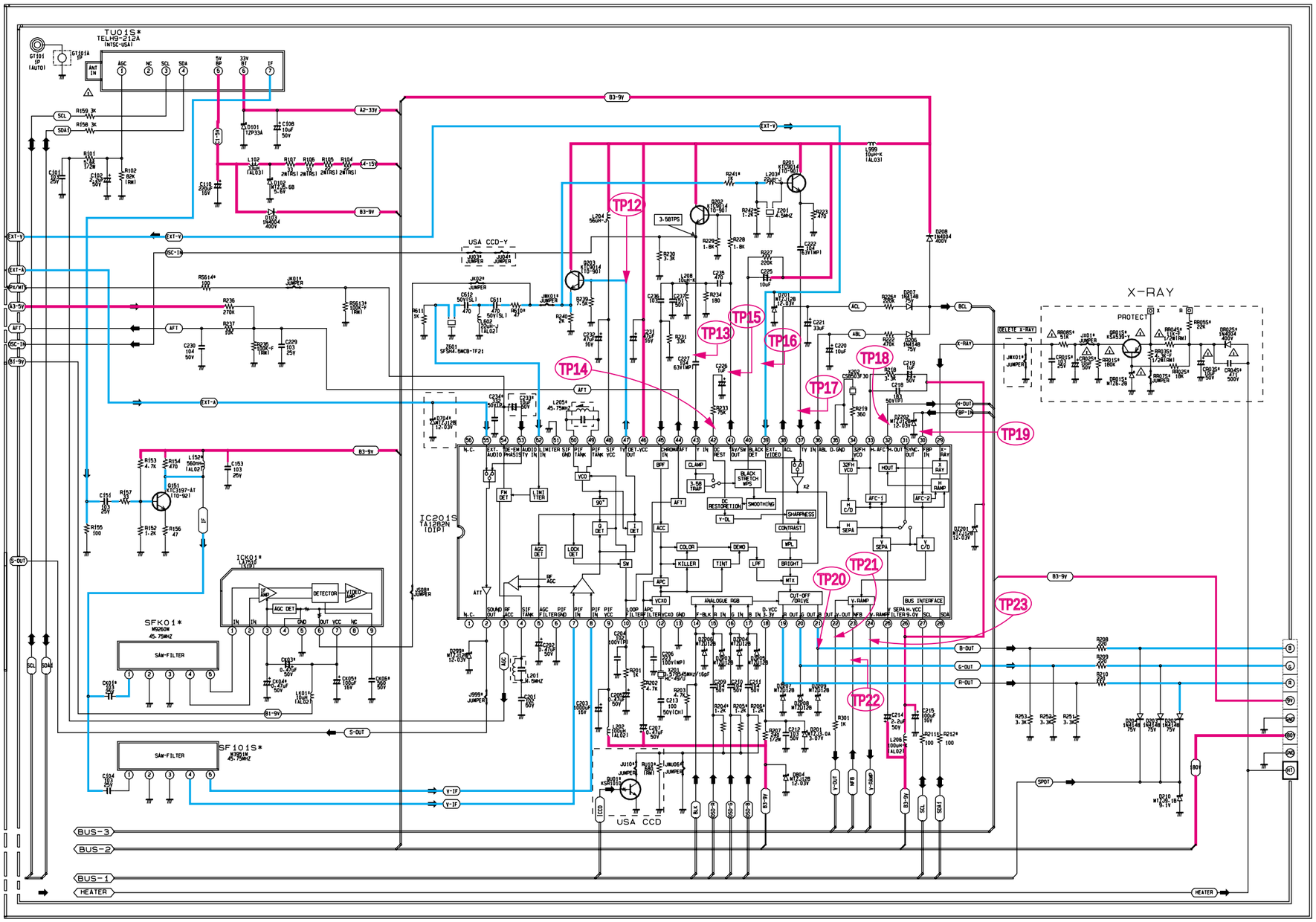
9. Schematic Diagrams

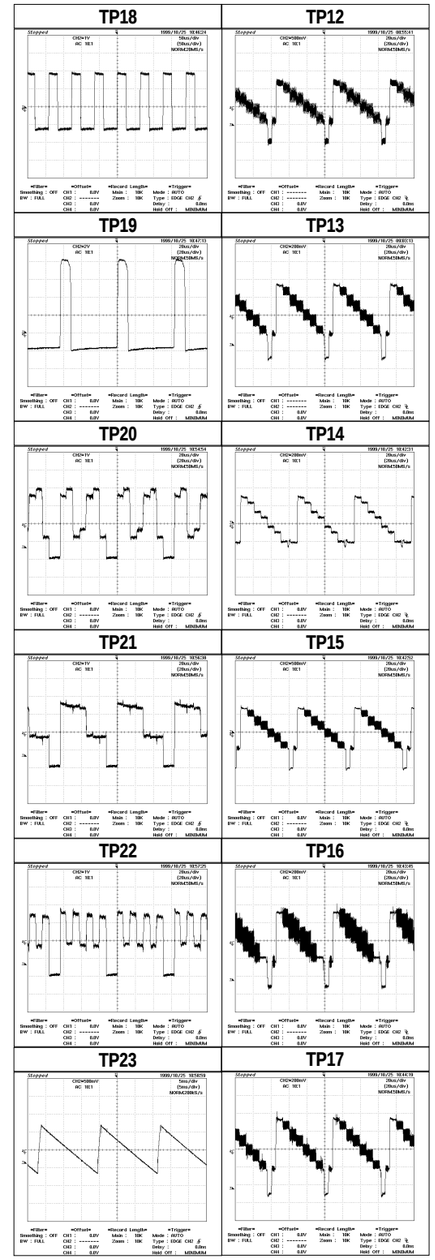
9-1 MAIN 1/4





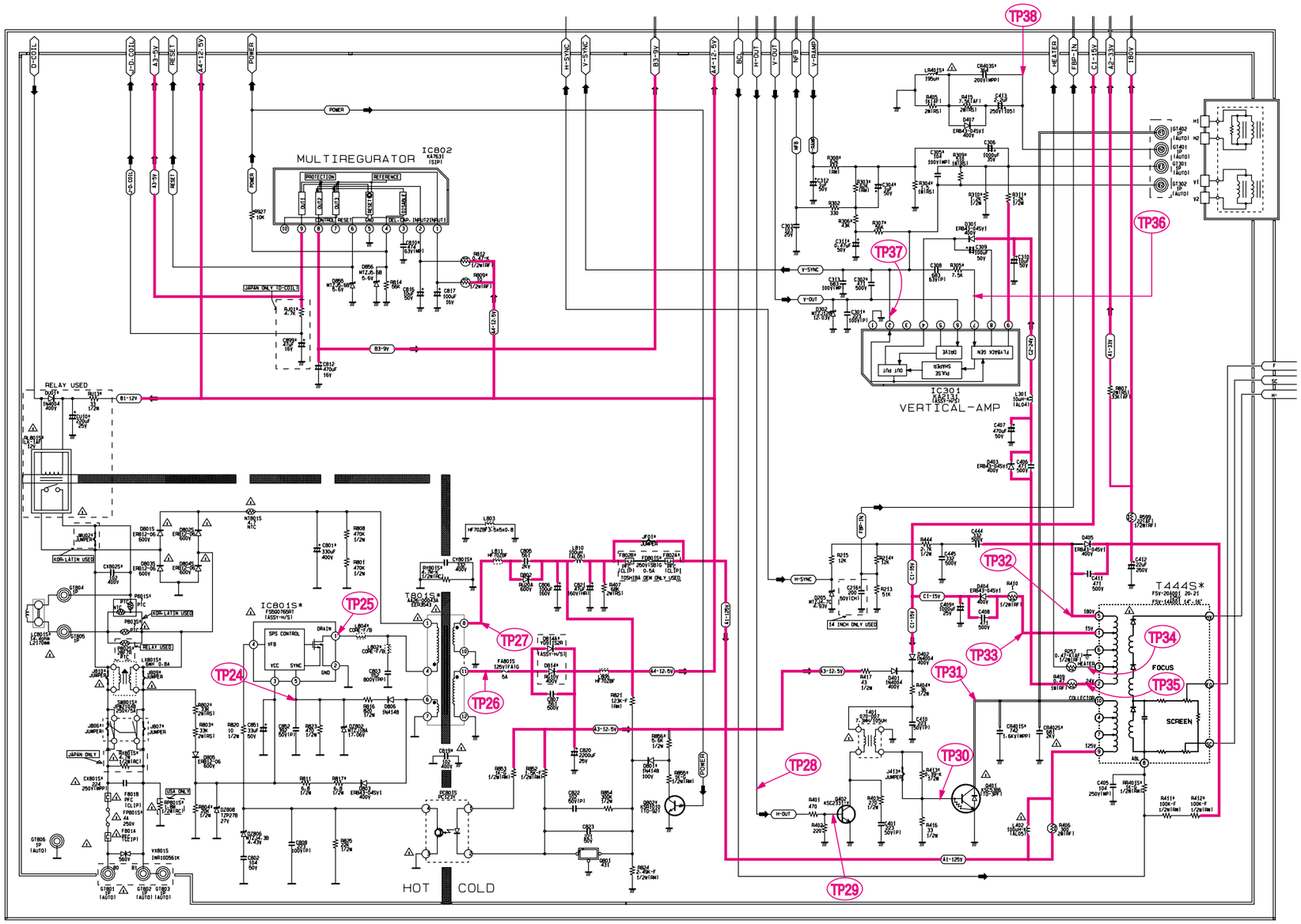
9-2 MAIN 2/4

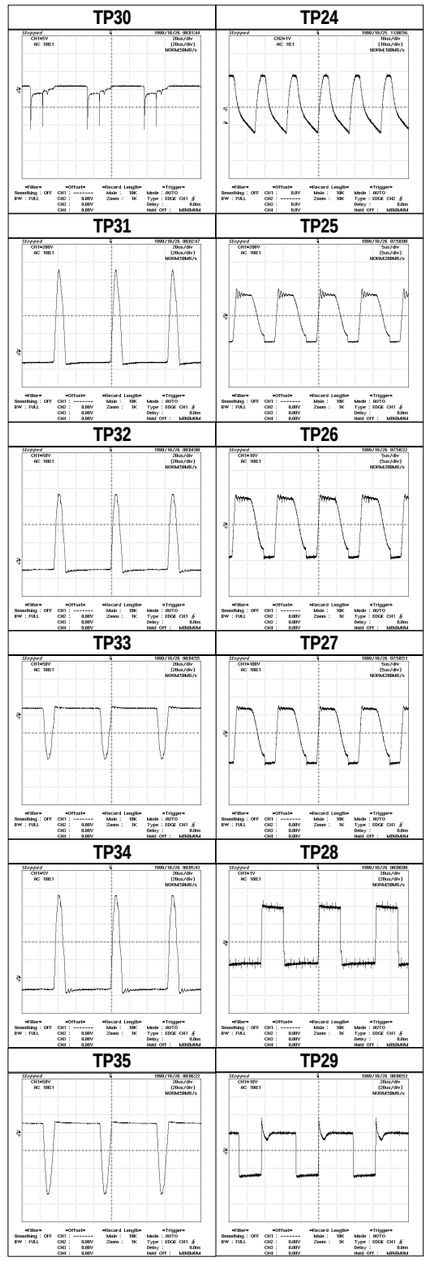


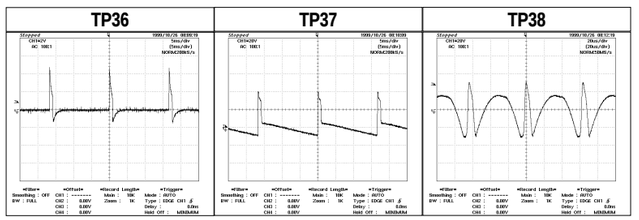


: Power Line
: Signal Line

9-3 MAIN 3/4

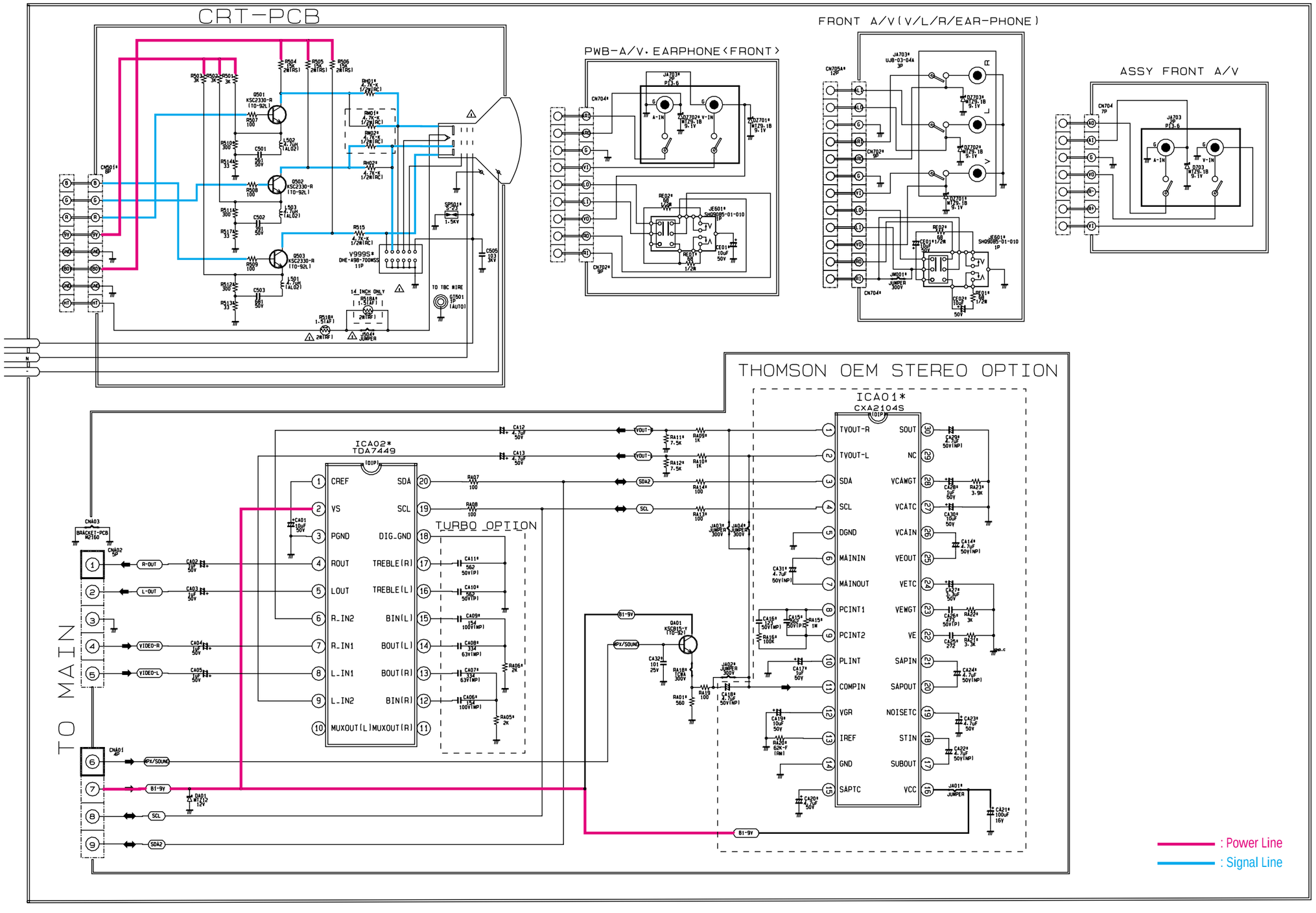






: Power Line

9-4 MAIN 4/4


CRT-PCB
PWB-A/V. EARPHONE<FRONT>
FRONT A/V(V/L/R/EAR-PHONE)
ASSY FRONT A/V
THOMSON OEM STEREO OPTION
ICA01*
CXA2104S
ICA02*
TDA7449
TURBO OPTION
TO MAIN
14_INCH ONLY
TO TBC WIRE
: Power Line
: Signal Line